

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of

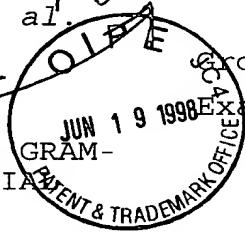
Apurba BHATTACHARJEE et al.

Serial No. ~~09/170,452~~

Group Art Unit: 1641

Filed: April 20, 1994

Examiner: S. Loring

For: VACCINE AGAINST GRAM-  
NEGATIVE BACTERIA  
INFECTS

RECEIVED

AMENDMENT AND REQUEST FOR RECONSIDERATION  
UNDER 37 CFR §1.111

JUN 23 1998

Assistant Commissioner of Patents  
Washington, D.C. 20231

Sir:

In reply to the Office Action dated March 19, 1998, applicants request that the above-identified application be amended as follows:

**IN THE CLAIMS**

Please cancel claims 9, 11 and 18, and amend the remaining claims as follows:

1. (<sup>TWICE</sup> ~~Three~~ Amended) A vaccine, effective in actively [or passively] immunizing a subject against infection by heterologous Gram-negative bacteria or against lipopolysaccharide (LPS) endotoxin-mediated pathology by the production of an antibody, comprising a non-covalent complex between (i) purified, detoxified LPS endotoxin [devoid of O-oligosaccharide side chains] derived from *E. coli* J5 strain and (ii) a purified outer membrane protein (OMP) derived from *N. meningitidis*, wherein the antibody produced by said vaccine is not bacteriocidal].